

SELF-SEALING COMPACT SPINNERET FOR A MELT SPINNING PROCESS

SUBSTITUTE SPECIFICATION

OK TO ENTER
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CROSS REFERENCE TO RELATED APPLICATIONS

This application is a national sage of PCT/EP00/05840
5 filed 24 June 2000 and is based upon German national application
199 35 982.2 filed 30 July 1999 under the International
Convention.

FIELD OF THE INVENTION

The invention relates to a spinneret for the spinning
10 of thermoplastics having a central polymer melt inlet passage, a
filter arrangement comprised of one or more filter disks of
different filter finenesses or filter grades, a spinneret plate
and a housing close-fitting around and receiving the filter
arrangement and the spinneret plate.

15 **BACKGROUND OF THE INVENTION**

Pressure build-up, shear and filtering of the polymer
to be spun in a spinneret are usually accomplished by means of a
sand filling as is described for example in U.S. Patent 5,304,052
or U.S. Patent 5,795,595. These sand fillings, whether of steel
20 grit or pure quartz sand, are however associated with various
drawbacks: for one, the sand fillings themselves are not
identical from spinneret to spinneret even when prepared with the